**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

**Table II. IMS RbR to Level 4 requirement linkage additions for MSS due to TAM and DID issues for B0 Validation.**

| RbR_ID | L4_ID |
|---|---|
| IMS-1505#B | C-MSS-56030 |
| IMS-1650#B | C-MSS-18044 |
| IMS-1650#B | C-MSS-18046 |
| IMS-1650#B | C-MSS-18048 |
| IMS-1650#B | C-MSS-18050 |
| IMS-1650#B | C-MSS-18070 |
| IMS-1650#B | C-MSS-18260 |
| IMS-1650#B | C-MSS-18270 |
| IMS-1650#B | C-MSS-18280 |
| IMS-1660#B | C-MSS-92600 |
| IMS-1665#B | C-MSS-70410 |
| IMS-1665#B | C-MSS-92420 |
| IMS-1690#B | C-MSS-92040 |
| IMS-1700#B | C-MSS-92080 |
| IMS-1700#B | C-MSS-92090 |
| IMS-1700#B | C-MSS-92100 |
| IMS-1700#B | C-MSS-92110 |
| IMS-1700#B | C-MSS-92140 |
| IMS-1700#B | C-MSS-92160 |
| IMS-1700#B | C-MSS-92170 |
| IMS-1700#B | C-MSS-92220 |
| IMS-1700#B | C-MSS-92280 |
| IMS-1700#B | C-MSS-92290 |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

**Table II.  Reference Table for MSS Link Additions to IMS RbRs.**

| RBR_id | req_key | text | clarification | L4 id | req_key | rel | clarification | text |
|---|---|---|---|---|---|---|---|---|
| IMS-1505#B | 5363 | The IMS toolkit software shall provide the tools to simulate an on-line IMS session for training sessions. | | C-MSS-56030 | 7785 | B0 | | The MSS Mode Management Service shall support a training mode capability |
| IMS-1650#B | 8384 | IMS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests | | C-MSS-18044 | 10006 | B0 | | The MSS MDA shall support a separate management database for each active mode. |
| | | | | C-MSS-18046 | 10007 | B0 | | The MSS MDA shall transfer MSS log file records to the appropriate management database based on the event's |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | mode. |
| | | | | | C-MSS-18048 | 10008 | B0 | | The MSS MDA shall transfer non-mode specific MSS log file records to all mode specific management databases. |
| | | | | | C-MSS-18050 | 9117 | A | | The MSS Management Data Access Service's shall utilize CSS Services to access/transfer management data. |
| | | | | | C-MSS-18070 | 12606 | B0 | This refers to the capability to sort and filter events in the management logs. | The MSS Management Data Access Service shall provide the capability to selectively access management data. |
| | | | | | C-MSS-18260 | 12608 | B0 | | The MSS Management Data Access Service shall have the capability to schedule the transfer and loading log files into the management database at the site. |
| | | | | | C-MSS-18270 | 12609 | B0 | | The MSS Management |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Data Access Service shall have the capability to schedule the archiving of log files at the site. |
| | | | | C-MSS-18280 | 12610 | B0 | | MSS shall have the capability to schedule the transfer of management data at the sites to the SMC. |
| IMS-1660#B | 5381 | The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories | | C-MSS-92600 | 8051 | B1 | | The MSS Report Generation Service shall be capable of generating a Functional Allocation Report containing current assignment of: a. standard product generation/ storage responsibility to a segment/ element b. assignment of science instrument support to an ICC |
| IMS-1665#B | 5382 | The IMS shall provide to the SMC, IMS services usage by each user (to | | C-MSS-70410 | 12649 | B0 | | The MSS SMC Security Management Application Service shall have the |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | include at a minimum user name, IMS service identification, date/time stamp, time expended, facilities used) for later reporting and determination of access patterns. | | | | | | capability to receive security audit trails from the site Security Management Application Services. |
| | | | | C-MSS-92420 | 8033 | B1 | | The MSS Report Generation Service shall be capable of generating a User Activity Audit Report tracing a user's activity during a logon including products requested and files accessed. |
| IMS-1690#B | 5397 | The IMS status monitoring function shall provide the capability to disseminate reports on-line electronically and off- | | C-MSS-92040 | 7995 | B0 | | The MSS Report Generation Service shall be capable of outputting generated reports to the user's console, a file, or a printer |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | line on either paper or electronic media. | | | | | | |
| IMS-1700#B | 8657 | The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries | Core metadata includes the quality assessment data. | C-MSS-92080 | 7999 | B1 | | The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Detail Report itemizing scheduled vs actual times for data collection, processing, retrieval and delivery along with:  a. reason for schedule variance b. data quality c. user feedback |
| | | | | C-MSS-92090 | 8000 | B1 | | The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Summary Report |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data. |
| | | | | | C-MSS-92100 | 8001 | B1 | | The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Detail Report containing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback |
| | | | | | C-MSS-92110 | 8002 | B1 | | The MSS Report Generation Service shall be |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | capable of generating a User Requested Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data |
| | | | | | C-MSS-92140 | 8005 | B1 | The MSS Report Generation Service shall be capable of generating a Product Generation Status Detail Report containing the status of all product processing/reprocessing and storage. |
| | | | | | C-MSS-92160 | 8007 | B1 | The MSS Report Generation Service shall be capable of |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | generating a Resource Performance Report containing: a. Availability b. Reason for downtime c. Utilization d. Indication of compliance with performance criteria. e. Short and long term trend analysis and capacity planning results |
| | | | | | C-MSS-92170 | 8008 | B0 | | The MSS Report Generation Service shall be capable of generating a CPU Load Report graphically depicting the average number of jobs in the run queue over the last 1, 5, and 15 minute period for each selected node. |
| | | | | | C-MSS-92220 | 8013 | B0 | | The MSS Report Generation Service shall be capable of generating a Site Host Resource |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Utilization Report indicating minimum/average/maximum measured percent usage of host CPU and memory resources and disk reads and writes over the report interval. |
| | | | | | C-MSS-92280 | 8019 | B1 | | The MSS Report Generation Service shall be capable of generating a Data Orders Tracking Summary Report containing summary statistics on product order request dispositions over the reporting period. |
| | | | | | C-MSS-92290 | 8020 | B1 | | The MSS Report Generation Service shall be capable of generating a Data Products Tracking Summary Report containing statistics on |

**B0 Validation IMS RbR to MSS Level 4 Link Changes due to TAM/DID 304 issues.**

| | | | | | | | | distribution of dataset orders by dataset type. |
|---|---|---|---|---|---|---|---|---|